

Title (en)

Method for preparing tertiary hydrocarbon-silyl compounds

Title (de)

Verfahren zur Herstellung von Tertiär-Kohlenwasserstoff-Silylverbindungen

Title (fr)

Procédé pour la préparation de composés d'hydrocarbonesilyl-tertiaires

Publication

EP 0542250 B1 19970604 (EN)

Application

EP 92119347 A 19921112

Priority

- JP 22538292 A 19920825
- JP 29743491 A 19911113

Abstract (en)

[origin: EP0542250A1] A method for preparing a tertiary hydrocarbon-silyl compound comprises the step of reacting a grignard reagent represented by the general formula: $R_{<1>}MgX_{<1>}$ (wherein $R_{<1>}$ represents a tertiary hydrocarbon group and $X_{<1>}$ is a halogen atom) with a silicon atom-containing compound represented by the general formula: $X_{<2>}mR_{<2>}nSiH_{4-m-n}$ (wherein $X_{<2>}$ is a halogen atom and may be identical to or different from $X_{<1>}$; $R_{<2>}$ is a monovalent hydrocarbon group; m is 1, 2 or 3; and n is 0, 1 or 2, provided that $m+n$ is not more than 3 and that if n is 2, $R_{<2>}$'s may be identical to or different from one another) in an aprotic inert organic solvent in the presence of a copper compound and/or a quaternary ammonium salt. According to this method, the tertiary hydrocarbon-silyl compounds can industrially efficiently and rapidly produced in high yields.

IPC 1-7

C07F 7/12; **C07F 7/08**

IPC 8 full level

B01J 27/122 (2006.01); **B01J 31/02** (2006.01); **C07B 61/00** (2006.01); **C07F 7/08** (2006.01); **C07F 7/12** (2006.01)

CPC (source: EP US)

C07F 7/0801 (2013.01 - EP US); **C07F 7/0896** (2013.01 - EP US); **C07F 7/122** (2013.01 - EP US)

Cited by

CN109305985A; US6100348A; EP0656363A1; DE19837906C1; EP0980870A1; US6156918A

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0542250 A1 19930519; **EP 0542250 B1 19970604**; DE 69220179 D1 19970710; DE 69220179 T2 19980122; JP 2838342 B2 19981216; JP H05202073 A 19930810; US 5294727 A 19940315

DOCDB simple family (application)

EP 92119347 A 19921112; DE 69220179 T 19921112; JP 22538292 A 19920825; US 97498992 A 19921112